SAMSUNG

# PDP-TELEVISION
## (PLASMA DISPLAY PANEL)

## Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

**ON-SCREEN MENUS**
**PICTURE IN PICTURE (PIP)**
**TELETEXT / TELEWEB (OPTION)**

VIRTUAL DOLBY SURROUND

DNIe™

ENG

## Safety Instructions

- ***Do not place the PDP on an unstable cart, stand, tripod, bracket, table, or floor where it can fall.***
- ***Do not expose the PDP to extreme temperature conditions or to extreme humidity conditions.***
- ***Do not expose the PDP to direct sunlight and other sources of heat.***
- ***Do not expose the PDP to any liquids.***
- ***Never put objects of any kind into the television, and do not place a water-containing vessel on the PDP.***
- ***During a storm conditions (especially when there is lightning) unplug the PDP from the mains socket and aerial.***
- ***Do not step on or twist the power cord.***
- ***Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.***
- ***Please use a soft and dry cloth (not containing volatile matter) when you clean the PDP.***
- ***If the PDP is broken, do not try to repair it yourself. Contact qualified service personnel.***
- ***If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.***
- ***Do not drop the remote control.***
- ***When installing a PDP such as for an exhibition, etc., there is risk of overheating the unit if placed directly on a floor or carpet. Be sure to use a proper stand, wall mount, ceiling mount, or Lift-Stand offered by Samsung. (Do not use and exhibit by laying down or sitting the unit directly on the floor.)***

## User Instructions

- ***Screen Image retention***
  Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, reduce the degree of brightness and contrast of this screen when displaying a still image.

- ***Cell Defect***
  The plasma display panel consists of fine cells. Although the panels are produced with more than 99.9 percent active cells, there may be some cells that do not produce light or remain lit.

- ***Height***
  The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height and do not install and operate there.

- ***Warranty***
  - Warranty Period: Two years starting from the purchase of your PDP.
  - Warranty does not cover any damage caused by image retention.
  - Burn-in is not covered by the warranty.

# Caution

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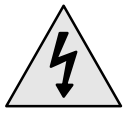
**CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN

**CAUTION:** TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**WARNING:** TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The lightning flash and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.

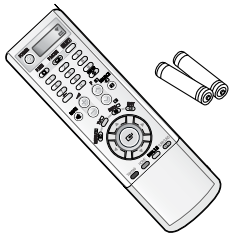


The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

☛ ***The main voltage is indicated on the rear of the PDP and the frequency is 50 or 60Hz.***

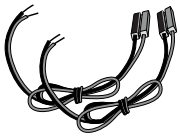
## Checking Parts

Owner's Instructions

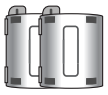


Remote Control/
AAA Batteries

Power Cord



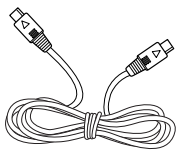
Speaker Wires



Ferrite Cores for
SCART Cable

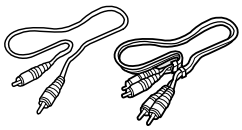
Ferrite Cores for
Speaker Wire

***A Separated Sales***

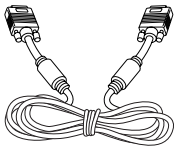


S-VIDEO Cable

Antenna Cable



AV Cables (RCA)



PC Cable

## DNIe™ (Digital Natural Image engine) DNIe™

***This feature bring you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, much detailed image to you. DNIe™ technology will fit every signals into your eyes.***

ENG

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Symbols

Press

Important

Note

# Your New Plasma Display Panel

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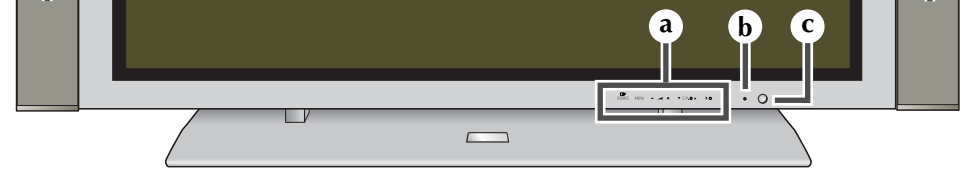
➢ The actual configuration on your PDP may be different, depending on your model.

## Front Panel

**PS42P3S/PS50P3H**

**PS63P3H**




**a**

**SOURCE**
External input selection.

**MENU**
Menu display.

**– ◢ +**
Volume adjustment.

**▼ C/P. ⏻ ▲**
Channel selection.

**I / ⏻**
Press to turn the PDP on and off.

**b**

**Power Indicator**
- Power Off; Red
- Power On; Off
- Timer On; Green

**c**

**Remote Control Signal Receiver**
Aim the remote control towards this spot on the PDP.

# Your New Plasma Display Panel

➢ The actual configuration on your PDP may be different, depending on your model.

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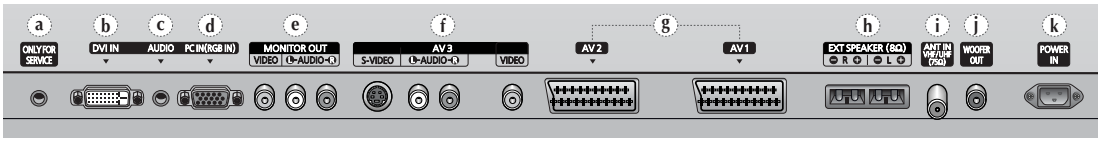
## Rear Panel

➢ For further details about connection, refer to pages 49~51.




**a) ONLY FOR SERVICE**
Connector for service only.

**b) DVI IN**
Connect to the video output jack for device with DVI output.

**c) AUDIO**
Connect to the audio output jack on your PC or any device with DVI output.

**d) PC IN (RGB IN)**
Connect to the video output jack on your PC.

**e) MONITOR OUT (VIDEO / L-AUDIO-R)**
Outputs for external devices

**f) AV 3 (S-VIDEO / L-AUDIO-R / VIDEO)**
Video and audio inputs for external devices with an S-Video output, such as a camcorder or VCR.

**g) AV 1 / AV 2**
Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc players.

**h) EXT SPEAKER (8Ω)**
Connect external speakers.

**i) ANT IN VHF/UHF (75Ω)**
75Ω Coaxial connector for Aerial/Cable Network.

**j) WOOFER OUT**
Connect to the sub-woofer speaker jack.

**k) POWER IN**
Connect the supplied power cord.

# Infrared Remote Control

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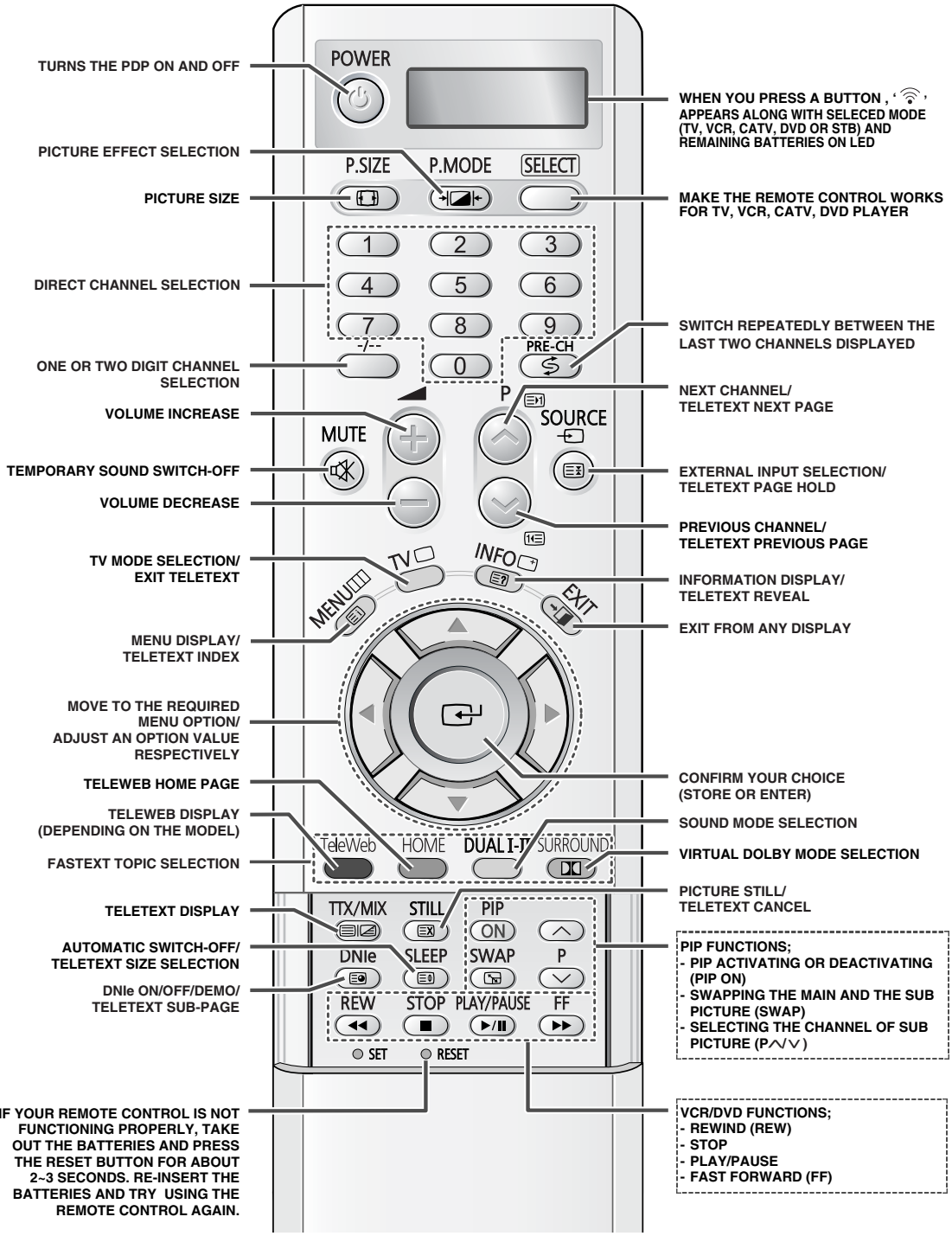


➢ *The performance of the remote control may be affected by bright light.*

# Inserting the Batteries in the Remote Control

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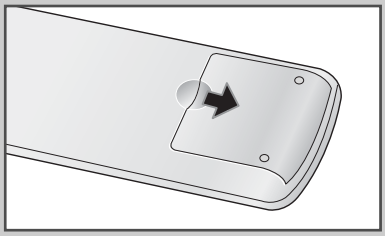
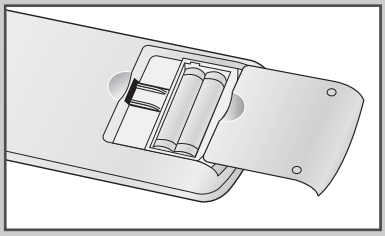
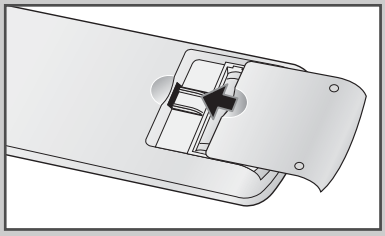
***You must insert or replace the batteries in the remote control when you:***

- ***Purchase the PDP***
- ***Find that the remote control is no longer operating correctly***

| | |
|---|---|
| **1** | Remove the cover on the rear of the remote control by pressing the symbol (▼) downwards and then pulling firmly to remove it. |
| **2** | Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:<br>◆ **–** on the battery against **–** on the remote control<br>◆ **+** on the battery against **+** on the remote control |
| **3** | Replace the cover by aligning it with the base of the remote control and pressing it back into place. |







# Installing the Display on the Wall Attachment Panel

ENG

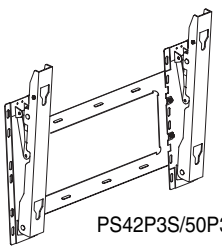
☛ This wall mount bracket installation guide is for the following models: WMN4230/WMN5030/WMN6330. This installation guide may be different from the PDP User's manual. Please refer to the proper installation guide for your product.

## Installation Notes

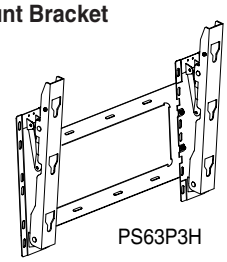
- Do not install the PDP on any place other than vertical walls.
- To protect the performance of the PDP and prevent troubles, avoid the followings:
  – Do not install next to smoke and fire detectors.
  – Do not install in an area subjected to vibration or high voltage.
  – Do not install near or around any heating apparatus.
- Use only recommended parts and components.

## Mounting Kits

**Wall Mount Bracket**



PS42P3S/50P3H



PS63P3H

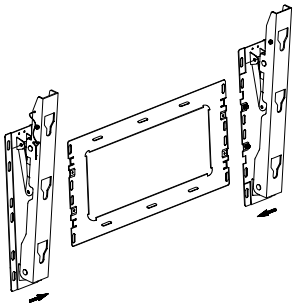
**Plastic Hanger**

**Screws**

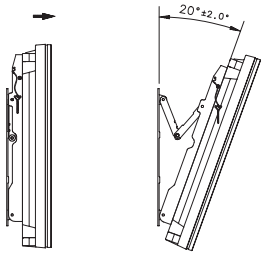
PS42P3S/50P3H: 4
PS63P3H: 6

## How to Adjust Mounting Angle

***(depending on your model)***



The wall mount bracket is delivered separately. Please tighten the captive screw in the direction of the arrow after assembling the bracket.



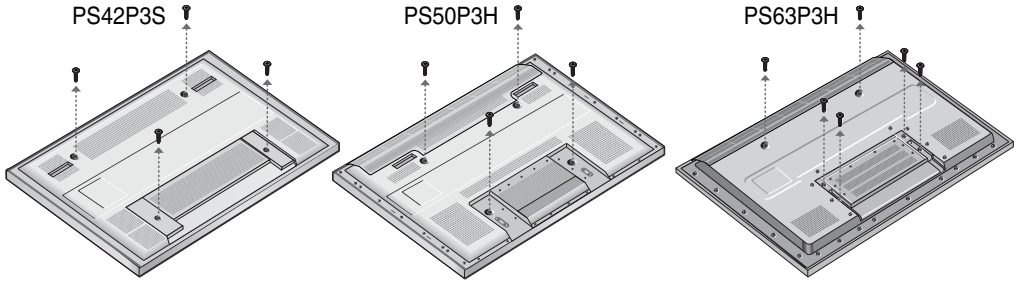

| | |
|---|---|
| **1** | Secure the PDP to the wall mount bracket. (Please refer to the following instructions.) |
| **2** | Set the angle by pulling the upper end of the PDP attached to bracket in the direction of the arrow. |
| **3** | The angle can be adjusted from 0° to 20° by ±2°. |

# Installing the Display on the Wall Attachment Panel

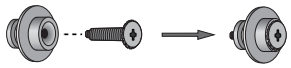
➢ The exterior of the PDP may be different than the picture.
(Assembly and installation of the plastic hanger is the same.)

ENG

**1** Remove the screws from the back of the PDP.

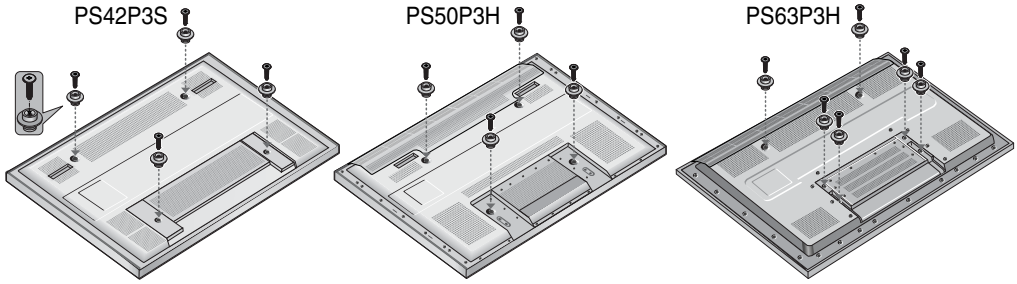



**2** Use the screws and assemble the plastic hanger.

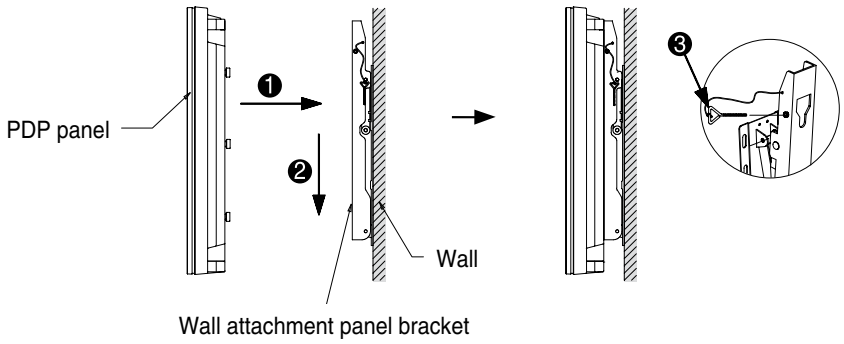


☛
- ◆ Please ask the installers to install the wall mount bracket.
- ◆ Please be sure to check if the plastic hanger is completely secured on both the left and right side after hanging the PDP on the wall mount bracket.
- ◆ Please avoid catching your fingers while installing and adjusting the angle.
- ◆ Please tightly secure the wall mount bracket to the wall to avoid injury from a falling PDP.

**3** Tighten the screws of the plastic hanger to the back side of the PDP.



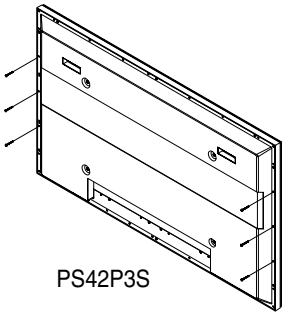

**4** Put the 4 pegs on the PDP in the grooves of the wall mount bracket and pull down on the PDP (①) to secure it to the wall mount bracket (②). Tighten the screws as shown (③) so that the PDP cannot be separated from wall mount bracket.



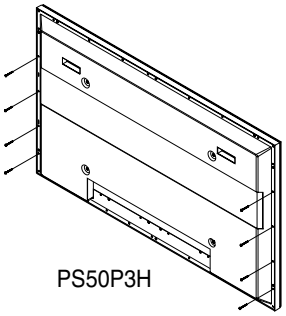
# Connecting Speakers

ENG

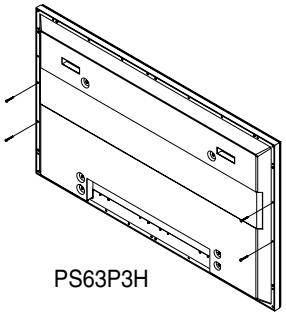
**1** Remove the screws on the rear of the PDP.



PS42P3S



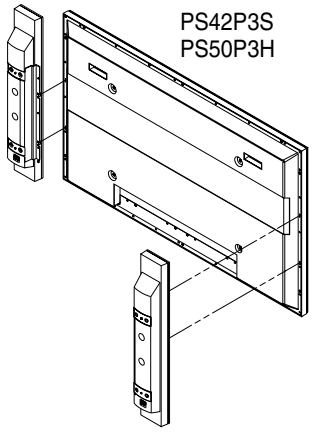
PS50P3H



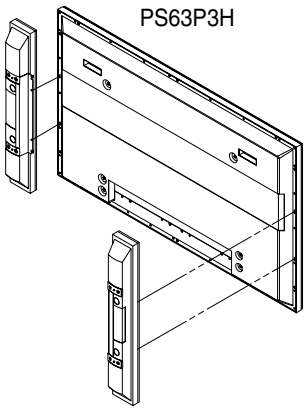
PS63P3H

**2** Hang the two “T” shaped hangers on the square holes on the rear of the PDP.

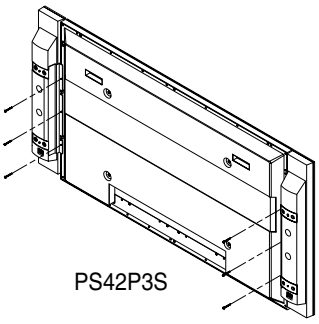
PS42P3S
PS50P3H



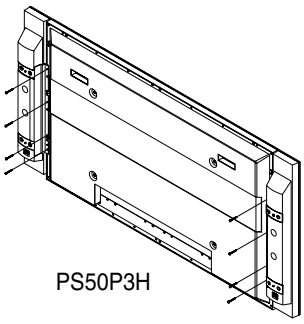
PS63P3H



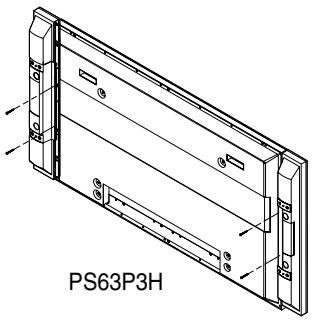
**3** Tighten the PDP and the speaker bracket using the screws removed from the PDP.



PS42P3S



PS50P3H

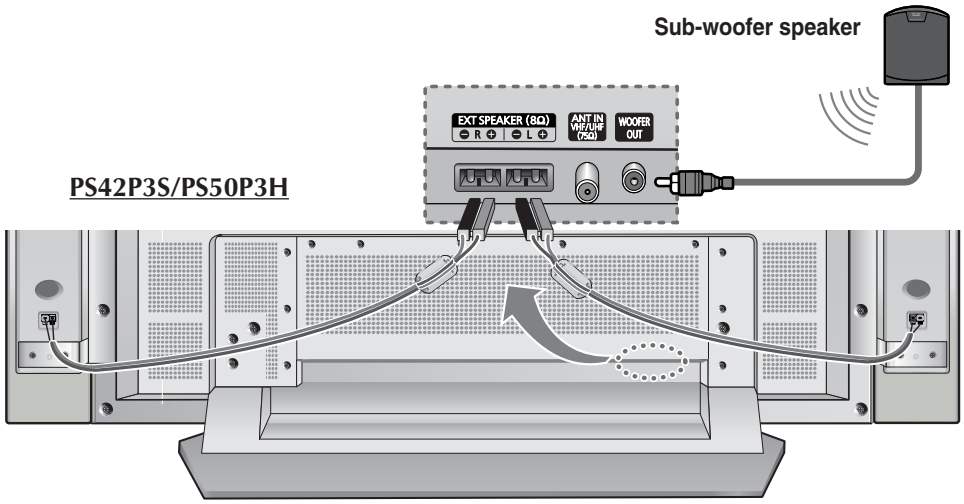


PS63P3H

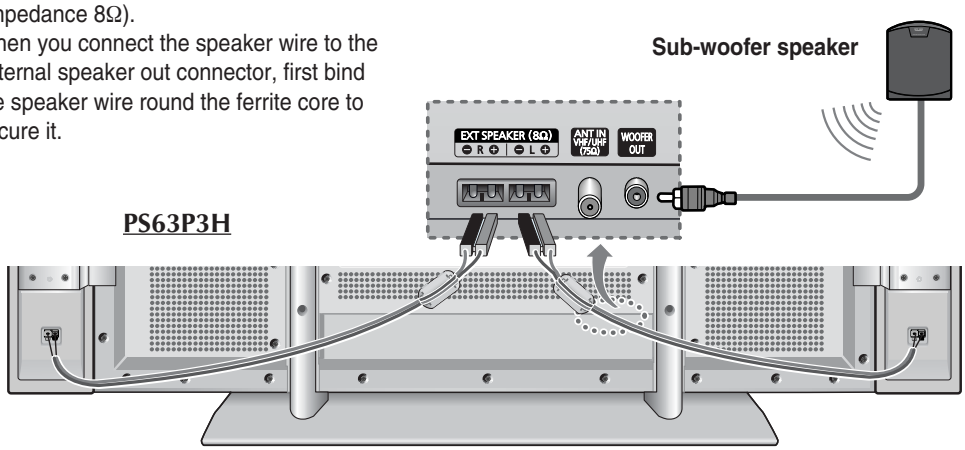
➢ When moving your PDP, do NOT hold the speaker connected to your PDP. It may damage the bracket clamping the speaker and your PDP together and result in a drop of your PDP and a risk of personal damage and injury.

# Connecting Speakers (continued)

***Connect the speaker audio cable to the external speaker output jack on the rear of the PDP matching the "+" and "–" ends of the cable with the diagram on the PDP.***

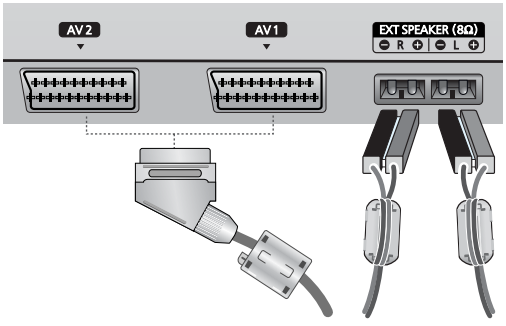



➢
- The speakers MUST have to a power handling capability of 10 watts minimum (impedance 8Ω).
- When you connect the speaker wire to the external speaker out connector, first bind the speaker wire round the ferrite core to secure it.



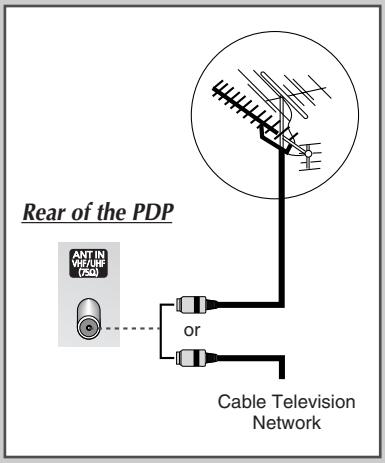

## Ferrite Cores

The ferrite cores are used to attenuate undesired signals. When connecting cables, attach one of these ferrite cores to the cable near the connector.



# Connecting to an Aerial or Cable Television Network

ENG




***To view television channels correctly, a signal must be received by the set from one of the following sources:***

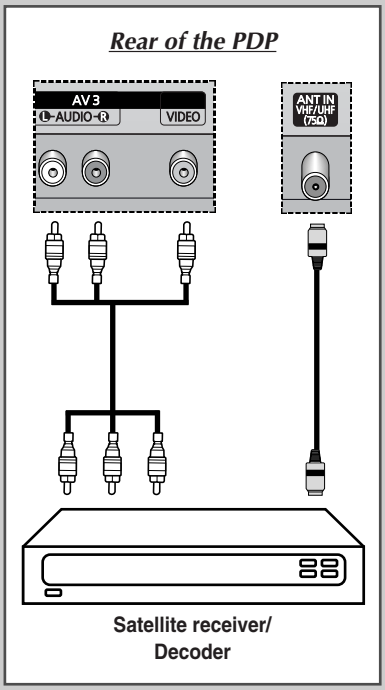
- ***An outdoor aerial***
- ***A cable television network***
- ***A satellite network***

**1** In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the PDP.

**2** If you are using an indoor aerial, you may need to turn it when tuning your PDP until you obtain a picture that is both sharp and clear.
For further details, refer to:
- "Storing Channels Automatically" on page 20
- "Storing Channels Manually" on page 22

➢ When installing or re-installing your PDP, be sure to use the supplied coaxial antenna cable. If you connect using a different coaxial cable, there is risk of noise or interference to the screen image. (You must not use another general purpose cable. Use the 3M/5M/7M cable supplied by Samsung.)

# Connecting a Satellite Receiver or Decoder




***In order to watch television programmes broadcast via a satellite network, you must connect a satellite receiver to the rear of the PDP. Also, in order to descramble a coded transmission signal, you must connect a decoder to the rear of the PDP.***

***Using a Coaxial cable***

Connect a coaxial cable to the:
- Receiver (or Decoder) output socket.
- Television aerial input socket.

➢ If you wish to connect both a satellite receiver (or decoder) and a VCR, you should connect the:
- Receiver (or Decoder) to the VCR
- VCR to the PDP

Otherwise, connect the receiver (or decoder) directly to the PDP.

# Switching On and Off

ENG

***The mains lead is attached to the rear of your PDP.***

☛ If you have purchased this PDP in the United Kingdom, refer to page 55 for further instructions on plug wiring.

**1** Plug the mains lead into an appropriate socket.

Result: The Standby indicator on the front of the PDP lights up.

➢ The main voltage is indicated on the rear of the PDP and the frequency is 50 or 60Hz.

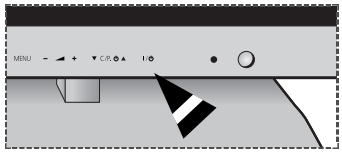
**2** Press the " **I /** ⏻ " button on the front of the PDP (or **POWER** (⏻) button on the remote control) to switch the PDP on.

Result: The programme that you were watching last is re-selected automatically.

➢ If you have not yet stored any channels, No clear picture appears. Refer to "Storing Channels Automatically" on page 20 or "Storing Channels Manually" on page 22.

**3** To switch your PDP off, press the " **I /** ⏻ " button again.

***Front of the PDP***



# Placing in Standby Mode

***Your PDP can be placed in Standby mode, in order to reduce the Power consumption.***

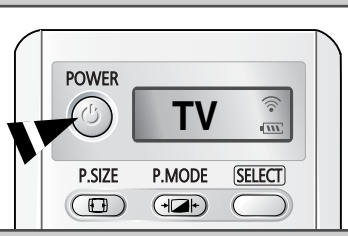
***The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).***

**1** Press the **POWER** (⏻) button on the remote control.

Result: The screen is turned off and the Standby indicator on the front of the PDP lights.

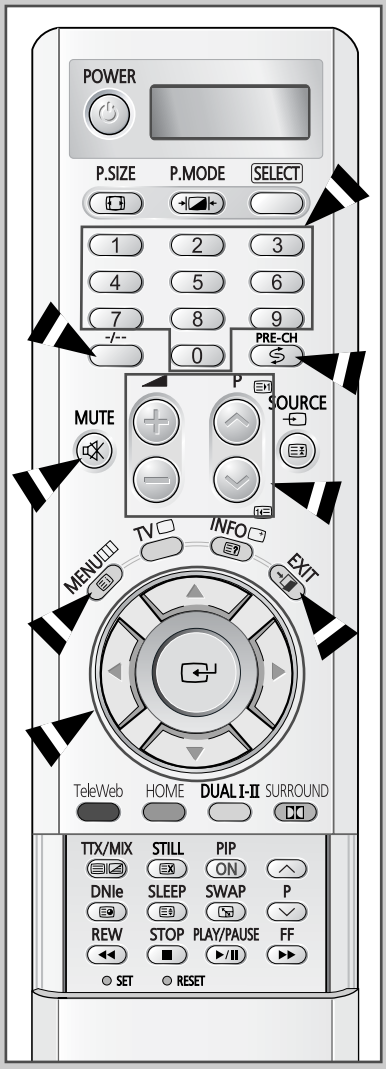
**2** To switch the PDP back on, simply press the **POWER** (⏻) button again or a numeric button.

➢ You can also switch on by pressing the **P**∧ or ∨ button.



# Becoming Familiar with the Remote Control

ENG




***The remote control is used mainly to:***

- ***Change channels and adjust the volume***
- ***Display the on-screen menu system***

***The following table presents the most frequently used buttons and their functions.***

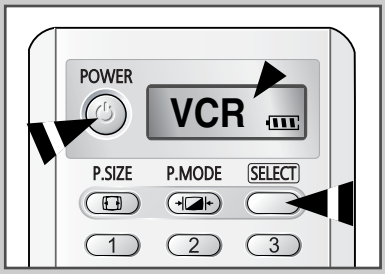
| Button | Viewing Function | Menu Function |
|---|---|---|
| | Used to display the next stored channel. | – |
| | Used to display the previous stored channel. | – |
| 0 to 9 | Used to display the corresponding channels.<br>➢ For double digit channels, the second digit must be pushed immediately after the first. Failure to do this will result in a single digit channel being displayed. | |
| **-/--** | Used to select a channel numbered ten or over.<br>Press this button, and the "**-**" or "**--**" symbol is displayed.<br>Enter the one or two-digit channel number. | |
| **PRE-CH** | Press the **PRE-CH** button. The TV will switch to the last channel viewed.<br>To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select second channel. Then, use the **PRE-CH** button to quickly alternate between them. | |
| | Used to increase the volume. | – |
| | Used to decrease the volume. | – |
| **MUTE** | Used to switch the sound off temporarily.<br>➢ To turn the sound back on, press this button again, or press the + or – button. | |
| **MENU** | Used to display the on-screen menu system. | Used to return to the previous menu or normal viewing. |
| | – | Used to:<br>◆ Display a submenu containing selections for the current menu option<br>◆ Increase/decrease a menu option value |
| | – | Used to confirm your choice. |
| **EXIT** | – | Used to exit from the menu system and return to normal viewing directly. |

# Setting Up Your Remote Control

ENG

***This TV's remote control can operate VCR, CATV , DVD, or Set-top box (STB), in addition to controlling the TV.***

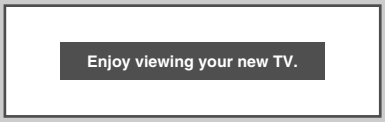
➢ ***The remote control is not compatible with the TV manufactured by another company.***




| | |
|---|---|
| **1** | Turn off your VCR, Cable box, DVD or STB. |
| **2** | Press the **SELECT** button. Mode is changed whenever **SELECT** button is pressed. (new mode is displayed on LED screen.) |
| **3** | Press the **POWER** ( )button on the remote control. The component you select should turn on. If it turns on, your remote control is now set correctly. |
| **4** | Once your remote control is set up, press the **SELECT** button any time you want to use the remote control to operate your VCR, Cable box, DVD or STB.<br>➢ When your remote control is in the **VCR**, **CATV**, **DVD** or **STB** mode, the volume buttons still control your television's volume. |

# Plug & Play Feature

ENG




***When the television is initially powered ON, several basic customer settings proceed automatically and subsequently. The following settings are available.***

**1** If the television is in Standby mode, press the **POWER** ( ) button on the remote control.

Result: The message **`Plug & Play`** is displayed. It flickers for a little while, and then the **`Language`** menu is automatically displayed.

**2** Select the appropriate language by pressing the ▼ or ▲ button.

**3** Press the ↵ button to confirm your choice.

Result: The message **`Antenna input check`** is displayed.

**4** Make sure that the antenna is connected to the TV, and then press the ↵ button.

Result: The **`Country`** menu is displayed.

**5** Select your country by pressing the ▼ or ▲ button.

**6** Press the ↵ button to confirm your choice.

Result: The **`ATM`** menu is displayed.

**7** To start the search, press the ↵ button.

Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.

➢ To stop the search before it has finished or return to normal viewing, press the **TV** ( ) button.

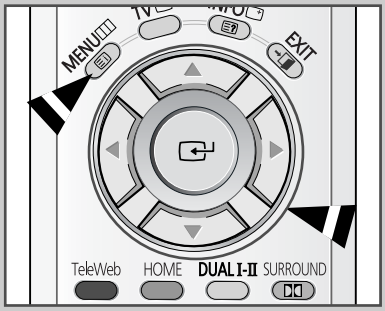
**8** When it has finished, the message **`Enjoy viewing your new TV`** is displayed, and then the channel which has been stored will be activated.

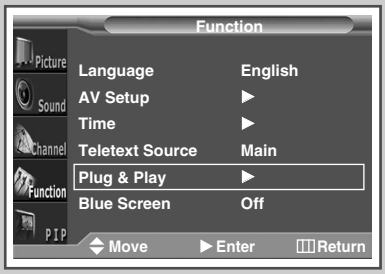
# Plug & Play Feature (continued)

ENG

*If you want to reset this feature...*

| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The main menu is displayed. |
| **2** | Press the ▼ or ▲ button to select **Function**.<br>Result: The options available in the **Function** group are displayed. |
| **3** | Press the ▶ button. |
| **4** | Press the ▼ or ▲ button to select **Plug & Play**. Press the ▶ button.<br>Result: The message **Plug & Play** is displayed. |
| **5** | For further details on how to set, refer to the opposite page. |




# Choosing Your Language

***When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.***

| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The main menu is displayed. |
| **2** | Press the ▼ or ▲ button to select **Function**.<br>Result: The options available in the **Function** group are displayed. |
| **3** | Press the ▶ button.<br>Result: The **Language** option is selected. |
| **4** | Press the ▶ button again.<br>Result: The languages available are listed. |
| **5** | Select the appropriate language by pressing the ▼ or ▲ button. |
| **6** | Press the ↵ button to confirm your choice. |
| **7** | When you are satisfied with your choice, press the **MENU** (▥) button to return to normal viewing. |

# Storing Channels Automatically

ENG

***You can scan for the frequency ranges available to you, (availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.***

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

**3** Press the ▶ button.

Result: The **Country** option is selected.

**4** Press the ▶ button again.

Result: The countries available are listed.

**5** Select your country (or area) by pressing the ▼ or ▲ button.

➢ If you have selected the **Others** option but do not wish to scan the PAL frequency range, store the channels manually (see page 22).

**6** Press the ↵ button to confirm your choice

**7** Press the **MENU** button.

Result: The options available in the **Channel** group are displayed again.

**8** Press the ▼ or ▲ button to select **ATM**. Press the ▶ button.

Result: The **ATM** menu is displayed.

**9** Press the ↵ button to start the search.

Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.

➢ To stop the search before it has finished, press the **TV** ( ▭ ) button.

**10** When the channels have been stored, you can:

- Sort them in the order required (see page 21)
- Clear a channel (see page 25)
- Fine-tune channel reception if necessary (see page 23)
- Assign a name to the stored channels (see page 24)
- Activate/deactivate the Digital Noise Reduction feature (see page 30)

# Sorting the Stored Channels

ENG

***This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using store channels. You can delete those channels you do not want to keep.***

**1** Press the **MENU** button.

Result: The main menu is displayed.

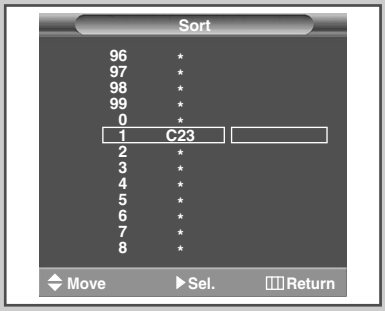
**2** Press the ▼ or ▲ button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Sort**. Press the ▶ button.

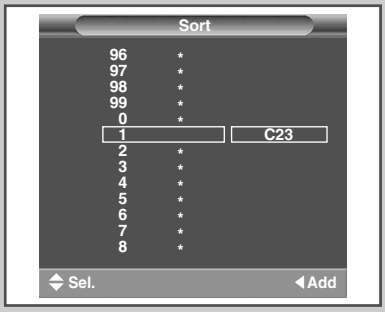
Result: The **Sort** menu is displayed.




**5** Select the channel that you wish to move by pressing the ▼ or ▲ button. Press the ▶ button.

**6** Select the number of the programme to which the channel is to be moved by pressing the ▼ or ▲ button. Press the ▶ button.

Result: The channel is moved to its new position and all other channels are shifted accordingly.




**7** Repeat Steps **5** to **6** until you have moved all the channels to the required programme numbers.

# Storing Channels Manually

ENG

***You can store up to television channels, including those received via cable networks.***

***When storing channels manually, you can choose:***

- ***Whether or not to store each of the channels found***
- ***The programme number of each stored channel which you wish to identify***

**1** Press the **MENU** button.
Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Channel**.
Result: The options available in the **Channel** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Manual Store**.
Press the ▶ button.
Result: The **Manual Store** menu is displayed.

**5** If necessary, select the broadcasting standard required. Press the ▼ or ▲ button to select **Colour System** and press the ◀ or ▶ button. The colour standards are displayed in the following order. (depending on the model).

**AUTO – PAL – SECAM**

**6** Press the ▼ or ▲ button to select **Sound System** and press the ◀ or ▶ button. The sound standards are displayed in the following order. (depending on the model).

**BG – DK – I – L**

# Storing Channels Manually (continued)

ENG

**7** If you know the number of the channel to be stored, see the following steps.

- Press the ▼ or ▲ button to select **Channel**.
- Press the ▶ button.
- Press the ▼ or ▲ button to select **C** (Air channel) or **S** (Cable channel).
- Press the ▶ button.
- Press the numeric buttons (0~9) to select indicate the required number.

➢ If no sound or abnormal sound, re-select the sound standard required.

**8** If you do not know the channel numbers, select the **Search** by pressing the ▼ or ▲ button. Press the ▶ button to start the search.

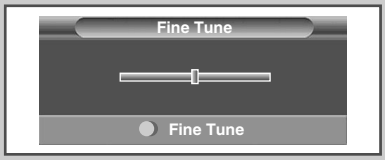
Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

**9** If reception is weak, you can fine tune a channel manually. Press the ▼ or ▲ button to select **Fine tune**. Press the ◀ or ▶ button until the picture and sound are both clear and sharp.

➢
- You can ignore any changes made and return to the previous setting by pressing the green button.
- If you are unable to fine tune a channel, check that the **Colour System** and **Sound System** settings are correct.

**10** To assign a programme number to a channel, select the **Prog. No** by pressing the ▼ or ▲ button. Press the ◀ or ▶ button until you find the correct number.

**11** To store the channel and associated programme number, press the ↵ button.



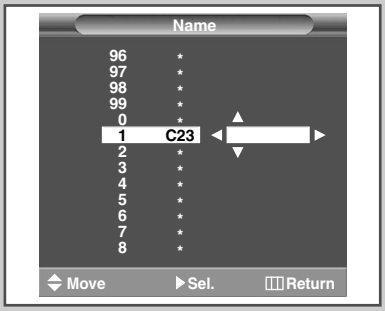

**12** Repeat Steps **7** to **11** for each channel to be stored.

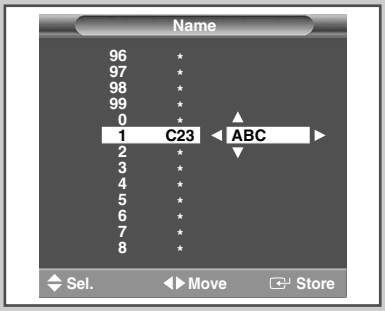
☛ ***Channel mode***

- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to max P99. You can select a channel by entering the position number in this mode.
- **C** (Real channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

# Assigning Names to Channels

ENG




***Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.***

**1** Press the **MENU** button.
Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Channel**.
Result: The options available in the **Channel** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Name**. Press the ▶ button.
Result: The **Name** menu is displayed with the current channel automatically is selected. Arrow indications are displayed around the name box.

**5** If necessary, select the channel to be assigned a new name by pressing the ▼ or ▲ button. Press the ▶ button.

**6** Press the ▼ or ▲ button to select a letter (A~Z), a number (0~9) or a symbol (-, space). Move on the previous or next letter by pressing the ◀ or ▶ button.

**7** When you have finished entering the name, press the ↵ button to confirm the name.

# Activating the Child Lock and Skipping Unwanted Channels

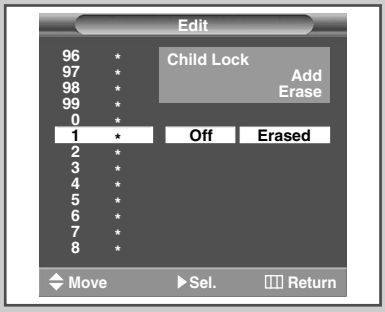
ENG

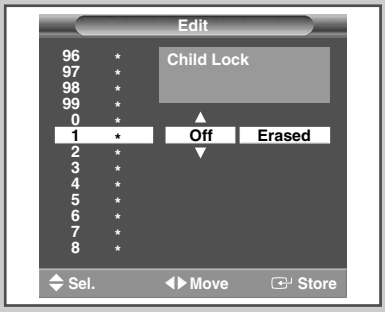
◆ ***Activating the child lock***

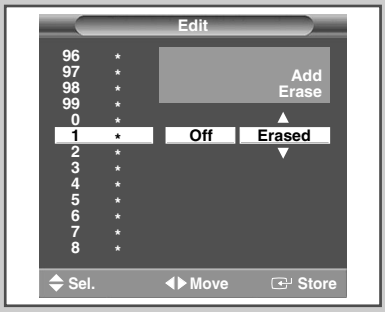
This feature allows you to lock the television so that it cannot be switched on via the front panel. It can, however, still be switched on via the remote control. Thus, by keeping the remote control away from unauthorised users, such as children, you can prevent them from watching unsuitable programme.

◆ ***Skipping unwanted channels***

You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those that you have chosen to skip are thus not displayed. All channels that you do not specifically choose to skip are displayed during scanning.



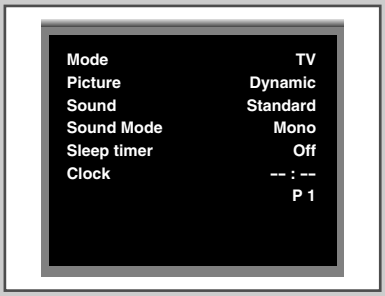




| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The main menu is displayed. |
| **2** | Press the ▼ or ▲ button to select **Channel**.<br>Result: The options available in the **Channel** group are displayed. |
| **3** | Press the ▶ button. |
| **4** | Press the ▼ or ▲ button to select **Edit**. Press the ▶ button.<br>Result: The **Edit** menu is displayed with the current channel automatically is selected. |
| **5** | Press the ▼ or ▲ button to select the channel to be locked. |
| **6** | Press the ◀ or ▶ button to select **Child Lock**. To lock the channel, select **On** by pressing the ▼ or ▲ button (to unlock the channel, select **Off**). Press the ↵ button to confirm. |
| **7** | Press the ▼ or ▲ button to select the channel to be added or erased. |
| **8** | Press the ◀ or ▶ button to select **Add/Erase**. To add or erase the channel, select **Added** or **Erased** by pressing the ▼ or ▲ button. Press the ↵ button to confirm. |

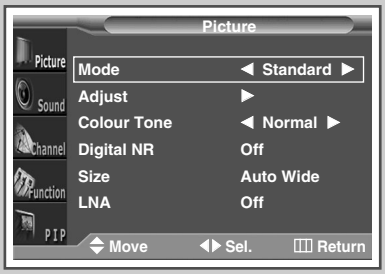
ENG

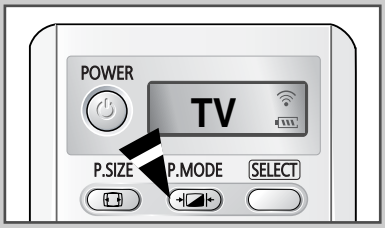
# Displaying Information




***You can view the channel information and setting status you select by pressing the "INFO" button on the remote control.***

# Changing the Picture Standard




***You can select the type of picture which best corresponds to your viewing requirements.***

**1** Press the **MENU** button.
Result: The options available in the **`Picture`** group are displayed.

**2** Press the ▶ button.
Result: The **`Mode`** is selected.

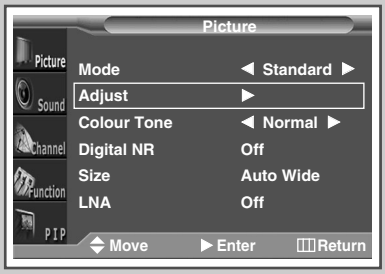
**3** Select the option by pressing the ◀ or ▶ button.
Result: The following modes are available depending on the input source.
- **`Custom - Dynamic - Standard - Movie`**
- **`Custom - High - Middle - Low`** (PC or DVI Mode)

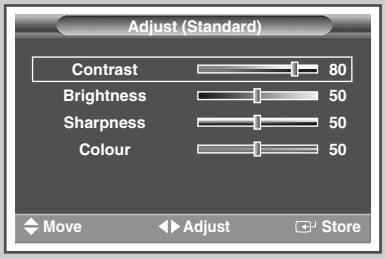
➢ You can also set these options simply by pressing the **P.MODE** (Picture Mode) button.

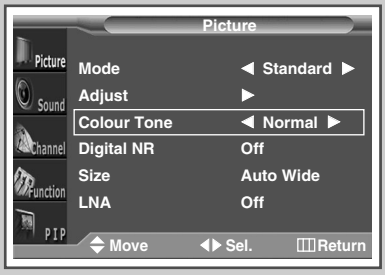
# Adjusting the Picture Settings

ENG

***Your television has several settings which allow you to control picture quality.***



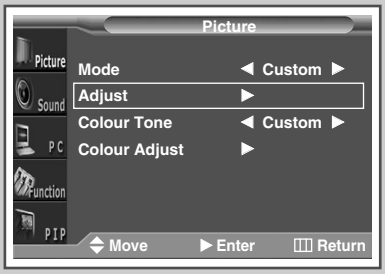

| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The options available in the **Picture** group are displayed. |
| **2** | Press the ▶ button. |
| **3** | Press the ▼ or ▲ button to select **Adjust**. Press the ▶ button.<br>Result: The **Adjust** menu is displayed. |
| **4** | Press the ▼ or ▲ button to select the option (**Contrast**, **Brightness**, **Sharpness**, **Colour**, **Tint**-NTSC (TV, Video, S-Video) only) to be adjusted. Press the ◀ or ▶ button<br>Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ▶ button. |
| **5** | When you are satisfied with the settings, press the ↵ button to store them. |
| **6** | Press the **MENU** button.<br>Result: The options available in the **Picture** group are displayed again. |
| **7** | Press the ▼ or ▲ button to select **Colour Tone**. |
| **8** | Select the option by pressing the ◀ or ▶ button. The colour tones are displayed in the following order.<br>**Normal – Warm1 – Warm2 – Cool2 – Cool1** |

➢ If you make any changes to these settings, the picture standard is automatically switched to the **Custom**.

# Adjusting the Picture Settings (PC or DVI Mode)

ENG

➢ Preset to the **PC** or **DVI** mode by using the **SOURCE** button.



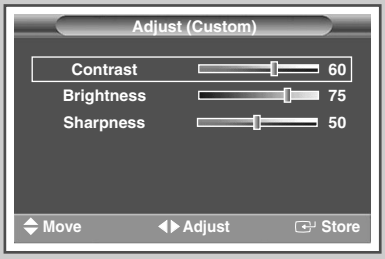

**1** Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

**2** Press the ▶ button.

**3** Press the ▼ or ▲ button to select **Adjust**. Press the ▶ button.

Result: The **Adjust** menu is displayed.

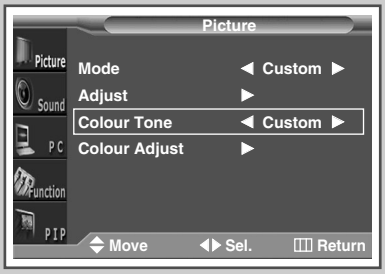



**4** Press the ▼ or ▲ button to select the option (**Contrast**, **Brightness**, **Sharpness**) to be adjusted. Press the ◀ or ▶ button.

Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ▶ button.

**5** Press the **MENU** button.

Result: The options available in the **Picture** group are displayed again.



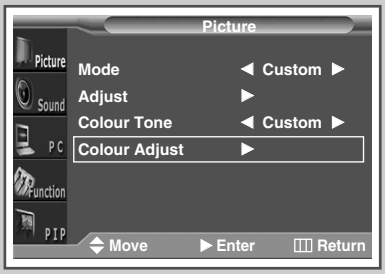

**6** Press the ▼ or ▲ button to select **Colour Tone**.

**7** Select the option by pressing the ◀ or ▶ button. The colour tones are displayed in the following order.

**Custom** (PC mode only) **– Colour1 – Colour2 – Colour3**

**8** Press the ▼ or ▲ button to select **Colour Adjust**. Press the ▶ button.

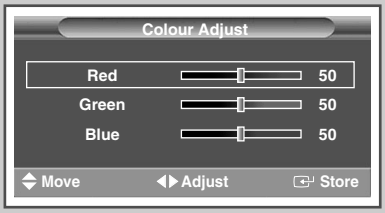
Result: The **Colour Adjust** menu is displayed.




➢
- When select the **Colour Tone** to **Custom**, the **Colour Adjust** menu is displayed.
- The **Colour Adjust** menu can not be selected in DVI mode.

**9** Press the ▼ or ▲ button to select the option (**Red**, **Green**, **Blue**) to be adjusted. Press the ◀ or ▶ button.

Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ▶ button




**10** When you are satisfied with the settings, press the ⏎ button to store them.

# Setting the Picture (PC Mode)

➢ Preset to the **PC** mode by using the **SOURCE** button.

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **PC**.

Result: The options available in the **PC** group are displayed.

**3** Press the ▶ button.

Result: The **Auto Adjustment** is selected.

**4** To adjust the screen quality and position automatically, pressing the ▶ button again.

Result: The screen quality and position are automatically reset with the **Auto Adjustment** displayed.

**5** Press the ▼ or ▲ button to select the option (**Frequency**, **Phase**) to be adjusted. Press the ◀ or ▶ button.

Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ▶ button.

**6** Press the **MENU** button.

Result: The options available in the **PC** group are displayed again.

**7** Press the ▼ or ▲ button to select **Position**. Adjust the position by using the ▼, ▲, ◀, or ▶ button. When you are satisfied, press the ↵ button to store.

**8** To select the picture format which best corresponds to your viewing requirement, select the **Size** by pressing the ▼ or ▲ button. Press the ▶ button.

**9** Select the option by pressing the ◀ or ▶ button. The picture formats are displayed.

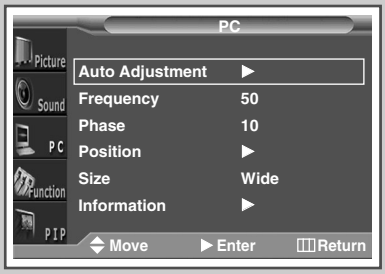
**Wide – Normal**

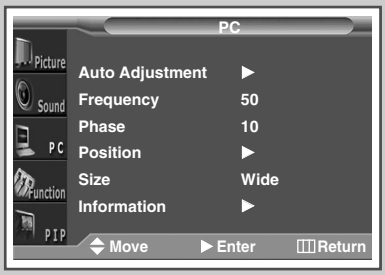
**10** When you are satisfied with the settings, press the ↵ button to store them.

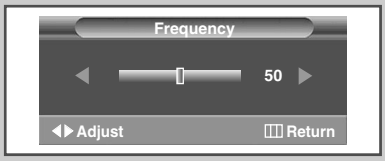
**11** If you get the PC information, select the **Information** by pressing the ▼ or ▲ button. Press the ▶ button.

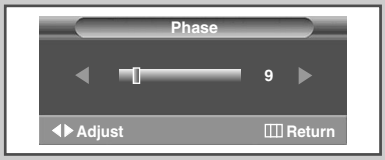
Result: The resolution, vertical frequency and horizontal frequency are displayed.

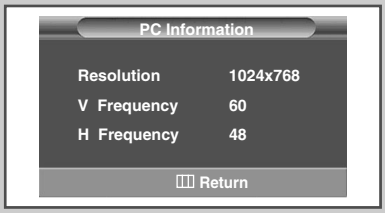
**12** When you are satisfied with the settings, press the **MENU** (▥) button repeatedly to return to the normal viewing.





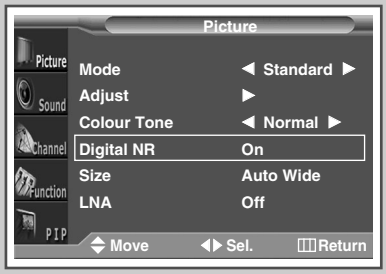



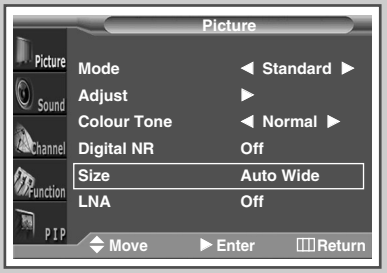



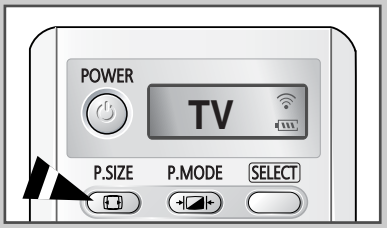


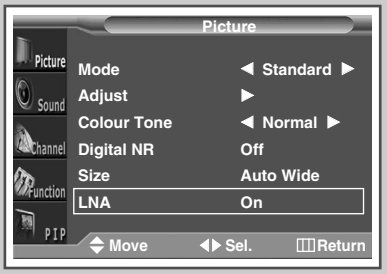
# Extra Picture Settings

ENG






◆ ***Digital NR***

You can activate this feature to reduce any static and ghosting that may appear on the screen.

◆ ***Size***

You can select the picture format which best corresponds to your viewing requirements.

◆ ***LNA*** (Low Noise Amplifier)

This feature is very useful in the situation that the TV is used in a weak signal and amplifies the TV signal in the weak signal area, but not noise.

This feature is working only in a weak signal condition, and that is memorized on current channel, additional.

➢ Available in TV mode.

**1** Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

**2** Press the ▶ button.

**3** Select the required option by pressing the ▼ or ▲ button.

**4** Press the ◀ or ▶ button to change the setting.

◆ **Digital NR** : **Off** or **On**

◆ **Size** : **Auto Wide** - **Wide** - **Panorama** - **Zoom1** - **Zoom2** - **14:9** - **Normal**

➢ You can also select these options simply by pressing the **P.SIZE** button on the remote control.

◆ **LNA** : **Off** or **On**

# Setting the Blue Screen

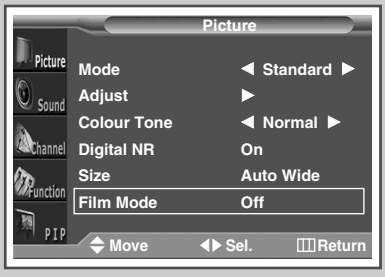
ENG

***If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".***

| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The main menu is displayed. |
| **2** | Press the ▼ or ▲ button to select **Function**.<br>Result: The options available in the **Function** group are displayed. |
| **3** | Press the ▶ button. |
| **4** | Press the ▼ or ▲ button to select **Blue Screen**. Press the ▶ button. |
| **5** | Press the ◀ or ▶ button to change the setting. (**On** or **Off**). |

# Selecting the Film Mode (AV1, AV2 or AV3 Mode Only)

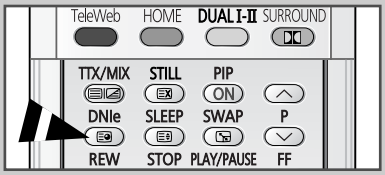
***You can automatically sense and process film signals from all sources and adjust the picture for optimum quality.***




| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The options available in the **Picture** group are displayed. |
| **2** | Press the ▶ button. |
| **3** | Press the ▼ or ▲ button to select **Film Mode** Press the ▶ button. |
| **4** | Press the ◀ or ▶ button to change the setting. (**Off** or **On**).<br>◆ **On** : Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.<br>◆ **Off** : Switches off the **Film Mode**. |

➢ Not available in TV, PC or DVI modes.

# DNIe™ (Digital Natural Image engine) DNIe™

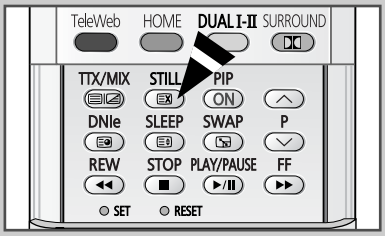


***This feature bring you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, much detailed image to you. DNIe™ technology will fit every signals into your eyes.***

Press the **DNIe** button repeatedly to select the following options.

- **On** : Switches on the DNIe mode.
- **Off** : Switches off the DNIe mode.
- **Demo** (Option) : The screen before applying DNIe appears on the right and the screen after applying DNIe appears on the left.

# Freezing the Current Picture



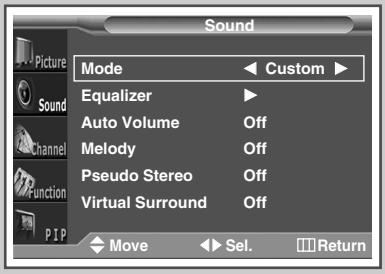

***You can freeze the picture when watching a television programme simply by pressing the "STILL" button. To return to normal viewing, press it again.***

➢ In the PIP mode, the main and sub pictures are stilled at the same time.

# Changing the Sound Standard

ENG

*You can select the type of special sound effect to be used when watching a given broadcast.*




**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

**3** Press the ▶ button.

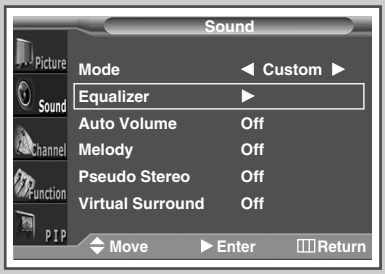
Result: The **Mode** is selected.

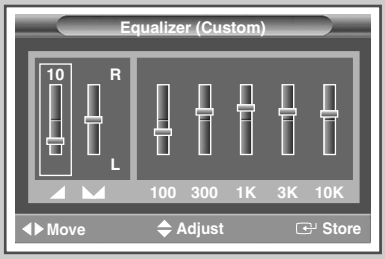
**4** Select the option by pressing the ◀ or ▶ button. The sound effects are displayed in the following order.

**Custom – Standard – Music – Movie – Speech**

# Adjusting the Sound Settings

*The sound settings can be adjusted to suit your personal preferences.*




**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Sound**.

Result: The options available in the **Sound** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Equalizer**. Press the ▶ button.

Result: The **Equalizer** menu is displayed with the current option.

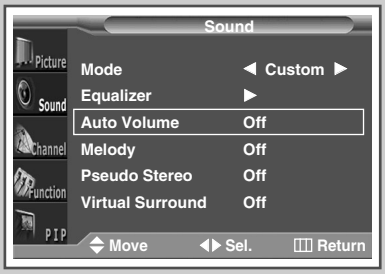
**5** Select the option (volume, balance, equalizer) to be adjusted by pressing the ◀ or ▶ button. Press the ▼ or ▲ button to reach the required setting.

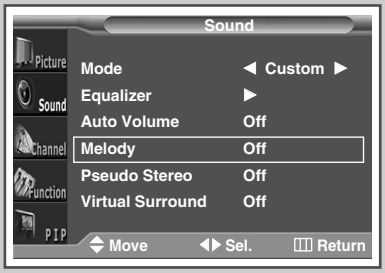
**6** When you are satisfied with the settings, press the ↵ button to store them.

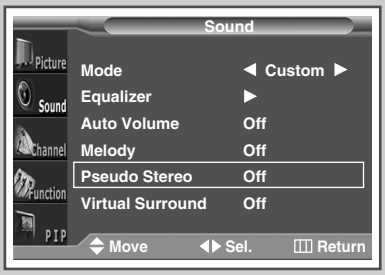
➢ If you make any changes to the equalizer settings, the sound standard is automatically switched to the **Custom**.

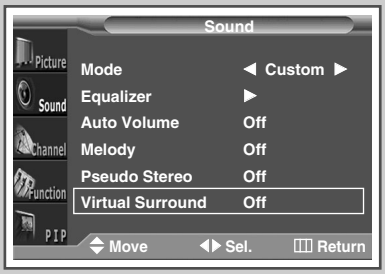
# Extra Sound Settings

ENG




◆ ***Auto Volume***

Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

◆ ***Melody***

You can hear clear melody sound when the television is powered on or off.

◆ ***Pseudo Stereo / Virtual Surround***

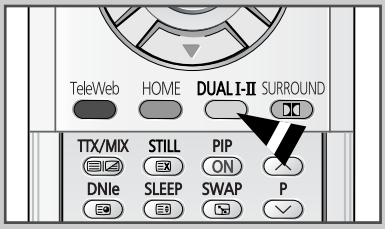
**Pseudo stereo** feature converts a monaural sound signal into two identical left and right channels.
Once the **Pseudo stereo** or **Virtual surround** is set to **On** or **Off**, these settings apply to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech**.

| | |
|---|---|
| **1** | Press the **MENU** button.<br>Result: The main menu is displayed. |
| **2** | Press the ▼ or ▲ button to select **Sound**.<br>Result: The options available in the **Sound** group are displayed. |
| **3** | Select the required option by pressing the ▼ or ▲ button. |
| **4** | Press the ◀ or ▶ button to change the setting. (**Off** or **On**). |

# **Selecting the Sound Mode** (depending on the model)

ENG

***The "Dual I-II" button displays/controls the processing and output of the audio signal. When power is switched on, the mode is automatically preset to either "Dual-I " or "Stereo", depending on the current transmission.***

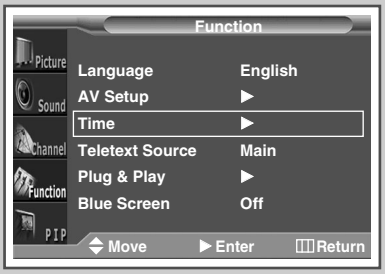


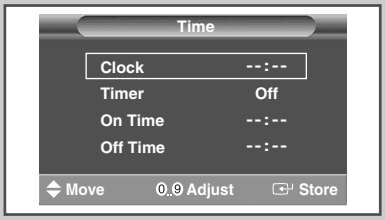

| | Type of broadcast | On-screen indication |
|---|---|---|
| **NICAM Stereo** | Regular broadcast (Standard audio) | **Mono** (Normal use) |
| | Regular + NICAM Mono | **NICAM Mono ↔ Mono** |
| | NICAM Stereo | **NICAM Stereo ↔ Mono** (Forced mono) |
| | NICAM Dual-I/II | **NICAM Dual-I → NICAM Dual-II → Mono** |
| **A2 Stereo** | Regular broadcast (Standard audio) | **Mono** |
| | Bilingual or Dual-I/II | **Dual-I ↔ Dual-II** |
| | Stereo | **Stereo ↔ Mono** (Forced mono) |

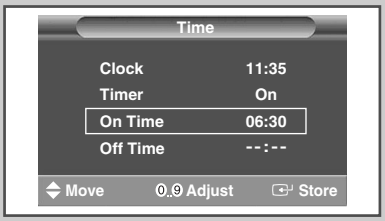
- If the receiving conditions deteriorate, listening will be easier if the mode is set to the **Mono**.
- If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the side of the television. If the mono sound comes out only from left speaker, press the **Dual I-II** button.

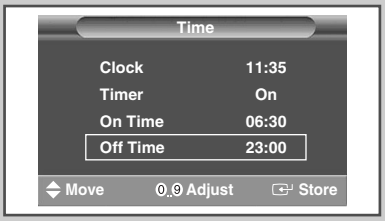
# Setting the Time and Switching the TV On/Off Automatically

ENG






***You can set the television's clock and set the On or Off timers so that the television will switch on or off automatically at the time you select.***

**1** Press the **MENU** button.
Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **`Function`**.
Result: The options available in the **`Function`** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **`Time`**. Press the ▶ button.
Result: The **`Time`** menu is displayed with the **`Clock`** option selected.

**5** Set the clock by pressing the numeric buttons.

**6** Press the ▼ or ▲ button to select **`Timer`**. Set to **`On`** by pressing the ◀ or ▶ button. for switching on automatically.
➢ If you have not set the clock, you can not select the **`Timer`**.

**7** Press the ▼ or ▲ button to select **`On Time`**. Set the time to switch on automatically by pressing the numeric buttons.

**8** In the same way, set the **`Off Time`** to switch off automatically.

# Setting the Sleep Timer

*You can select a time period of between 15 and 180 minutes after which the television automatically switches to Standby mode.*

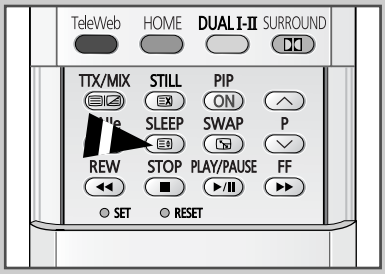
**1** Press the **SLEEP** button.

Result: The **Sleep timer** menu is displayed.

- If the sleep timer is not yet set, **Off** is displayed. If the sleep timer is already set, the remaining time before which the television switches to Standby mode is displayed.

**2** Select the preset time intervals (15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180) by pressing the ◀ or ▶ button.

**3** Press the ↵ button to confirm your selection.



# Redirecting an Input to the External Output

*Your television enables you to choose which audio/video signals are output to the external connector.*

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

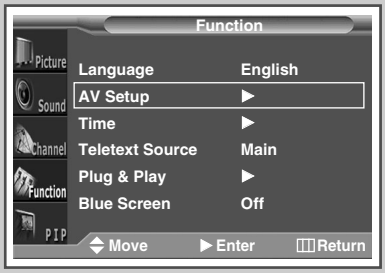
**3** Press the ▶ button.

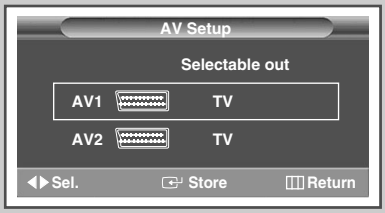
**4** Press the ▼ or ▲ button to select **AV Setup**. Press the ▶ button.

Result: The **AV Setup** menu is displayed with the current option.

**5** Press the ▼ or ▲ button to select required input (**AV1** or **AV2**). Select the source to be directed to the output by pressing the ◀ or ▶ button.

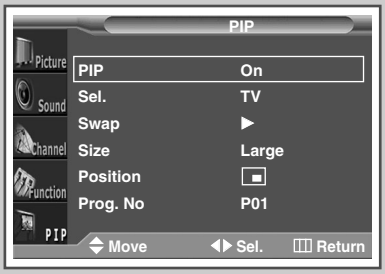
**6** Press the ↵ button to confirm the change.

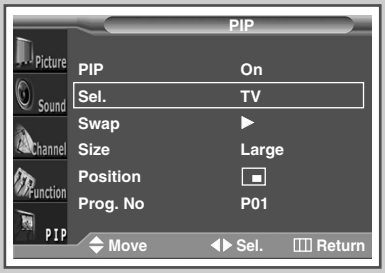


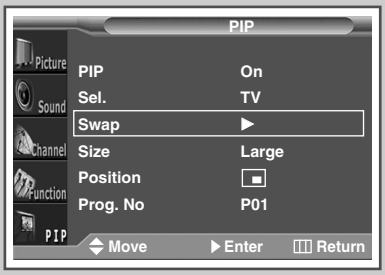



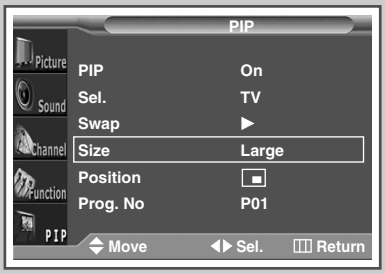
# Viewing the Picture In Picture (PIP)

ENG




***You can display a sub picture within the main picture of TV program or external A/V devices. In this way you can watch TV program or monitor the video input from any connected devices while watching TV or other video input.***

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **PIP**.

Result: The options available in the **PIP** group are displayed.

**3** Press the ▶ button.

**4** To activate, set the **PIP** to **on** by pressing the ◀ or ▶ button.

**5** Press the ▼ or ▲ button to select **Sel.**. Select a source of the sub picture by pressing the ◀ or ▶ button.

Result: The sources are displayed in the following order:

**TV - AV1 - AV2 - AV3(Video) - AV3(S-Video) - PC - DVI**

➢
- The **PC** can not be selected in DVI mode.
- The **DVI** can not be selected in PC mode.

**6** Press the ▼ or ▲ button to select **Swap**. Press the ◀ or ▶ button.

Result: The main picture and sub picture are interchanged.

**7** Press the ▼ or ▲ button to select **Size**. Select a size of the sub picture by pressing the ◀ or ▶ button.

Result: The sizes are displayed in the following order:

**Large - Small - Double1 - Double2 - 12PIP**

- **12PIP :** Used to view up to 12 memorized channels on the sub picture spontaneously.

  ➢ Not available in AV1, AV2, PC or DVI mode.

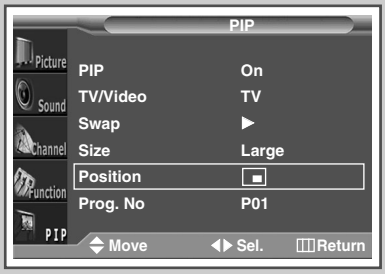
# Viewing the Picture In Picture (PIP) (continued)

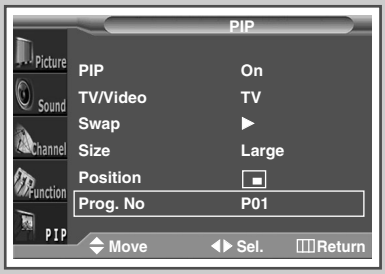
ENG

**8** Press the ▼ or ▲ button to select **Position**. Select a position of the sub picture by using the ▼, ▲, ◄, or ► button.

➢ The **Position** can not be selected in **Double1**, **Double2** or **12PIP**.

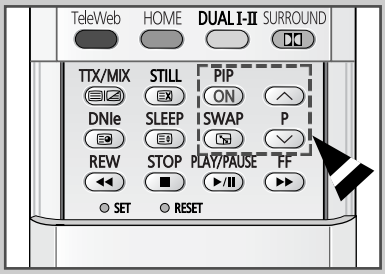
**9** Press the ▼ or ▲ button to select **Prog.No.**. Select the channel that you want to view through sub picture by pressing the ◄ or ► button.



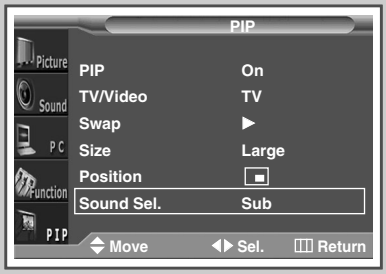

*Easy functions of remote control.*

| Buttons | Feature |
|---|---|
| **PIP ON** | Used to activate or deactivate the PIP function directly. |
| **SWAP** | Used to interchange the main picture and the sub picture.<br>➢ When the main picture is in the Video mode and the sub picture is in the TV mode, you might not hear the sound of main picture when pressing the **SWAP** button after changing the sub picture channel. At this time, reselect the channel of main picture. |
| **P∧/∨** | Used to select the channel of sub picture. |



# Listening to the Sound of the Sub Picture (PC or DVI Mode)

ENG




➢ Preset to the **PC** or **DVI** mode by using the **SOURCE** button.

***During the PIP feature is activating, you can listen to the sound of the sub picture.***

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **PIP**.

Result: The options available in the **PIP** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Sound Sel.**. Set to **Sub** by pressing the ◀ or ▶ button.

Result: You can listen to the sound of the sub picture.

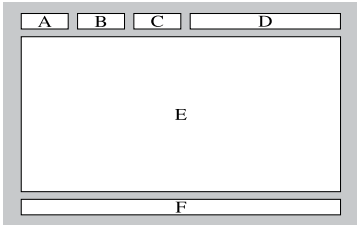
➢ To listen the sound of current main picture, set to **Main**.

# Teletext Feature

ENG

***Most television channels provide written information services via teletext. Information provided includes:***

- ***Television programme times***
- ***News bulletins and weather forecasts***
- ***Sports results***
- ***Travel information***




***This information is divided into numbered pages (see diagram).***

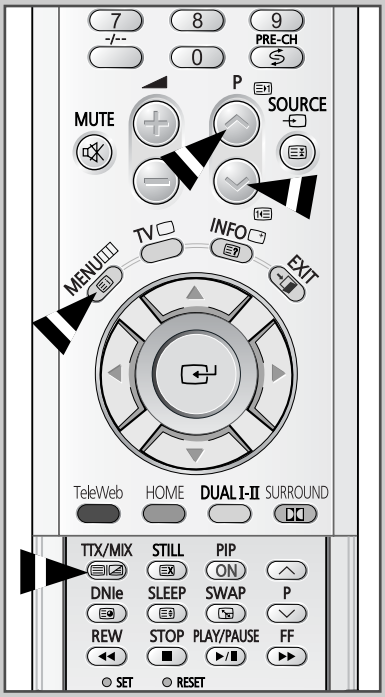
| Part | Contents |
|---|---|
| A | Selected page number. |
| B | Broadcasting channel identity. |
| C | Current page number or search indications. |
| D | Date and time. |
| E | Text. |
| F | Status information.<br>FASTEXT information. |

➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

- Entering the page number
- Selecting a title in a list
- Selecting a coloured heading (FASTEXT system)

# Displaying the Teletext Information

ENG




***You can display Teletext information at any time on your television***

☛ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:

- Information may be missing
- Some pages may not be displayed

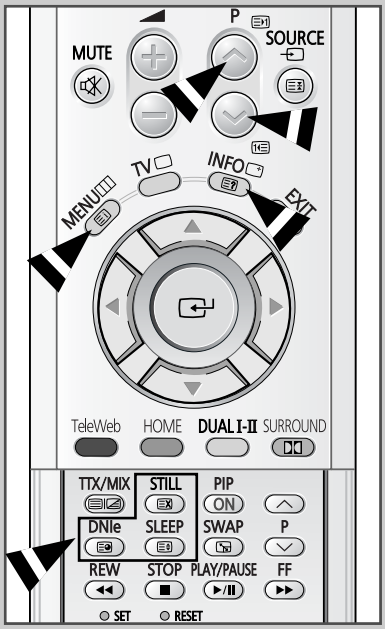
| | |
|---|---|
| **1** | Select the channel providing the Teletext service by pressing the **P** ∧ or ∨ button. |
| **2** | Press the **TEXT/MIX** button to activate the teletext mode.<br>Result: The contents page is displayed. It can be redisplayed at any time by pressing the (index) button. |
| **3** | Press the **TEXT/MIX** button again.<br>Result: The screen will be split into two. This Double Teletext feature lets you view the actual broadcast and teletext information separately on the screen. |
| **4** | If you wish to display the actual broadcast and teletext information on a single screen, press the **TEXT/MIX** button again. |
| **5** | To exit from the teletext display, press the **TV** ( ) button. |

# Selecting Display Options

ENG

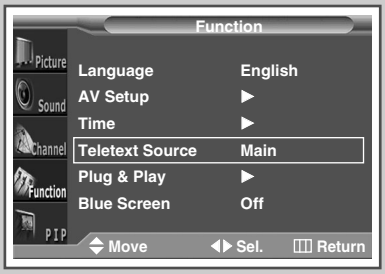
*When you have displayed a Teletext page, you can select various options to suit your requirements.*

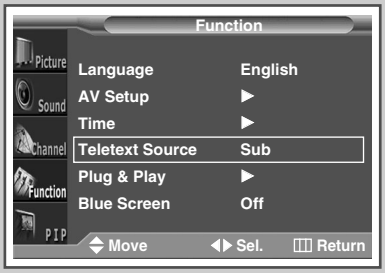
| To display... | Press the... |
|---|---|
| ◆ Hidden text (answers to quiz games, for example) | (reveal) |
| ◆ The normal screen | (reveal) again |
| ◆ A secondary page by entering its number | (sub-page) |
| ◆ The broadcast when searching for a page | (cancel) |
| ◆ The next page | (page up) |
| ◆ The previous page | (page down) |
| ◆ Double-size letters in the:<br>• Upper half of the screen<br>• Lower half of the screen | (size)<br>• Once<br>• Twice |
| ◆ The normal screen | • Three times |



# Selecting the Teletext Source (Option)

ENG




***When you watching the current channel you can display the Teletext information of other channel.***

**1** Press the **MENU** button.

Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Function**.

Result: The options available in the **Function** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Teletext Source**.

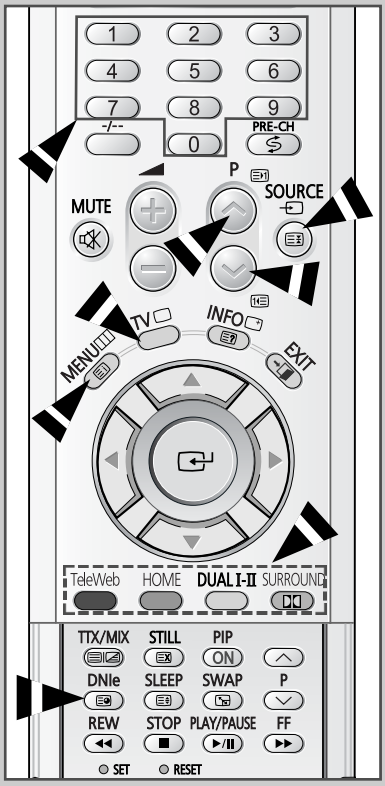
**5** Select the required option (**Main** or **Sub**) by pressing the ◀ or ▶ button.

- If you set to **Main**, you can display the teletext information of current channel.
- If you set to **Sub**, you can display the teletext information of other channel.
  - If the PIP feature is activating, you can display the teletext information of sub channel. If change the channel of sub picture, you can display the teletext information of the changed sub channel.
  - If the Double Teletext feature is activating, you can display the teletext information of other channel at the same time as the current channel.

# Selecting a Teletext Page

ENG

***You can enter the page number directly by pressing the numeric buttons on the remote control.***




**1** Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.

Result: The current page counter is incremented and the page is then displayed. If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the (hold) button. Press the (hold) button again to resume.

**2** If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are colour-coded and can be selected by pressing the coloured buttons on the remote control.
Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.

Result: The page is displayed with other coloured information that can be selected in the same way.

**3** To display the previous or next page, press the corresponding coloured button.

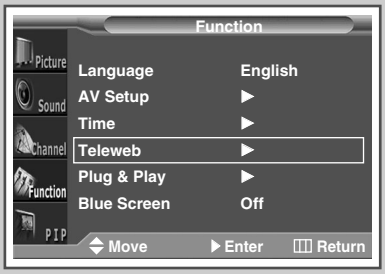
**4** To display the subpage, see the following steps.

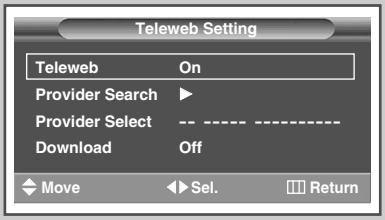
- Press the (sub-page) button.
  Result: The available subpages appear.
- Select the required sub-page. Sub-pages can be scrolled by pressing the or button.

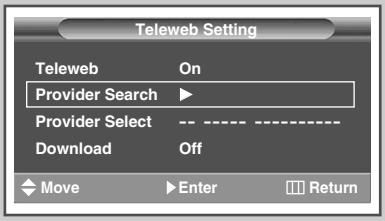
**5** When you have finished, press the **TV** ( ) button to return to your normal broadcast.

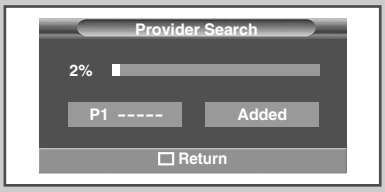
# TeleWeb Feature (Option)

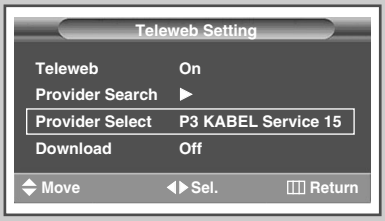
ENG

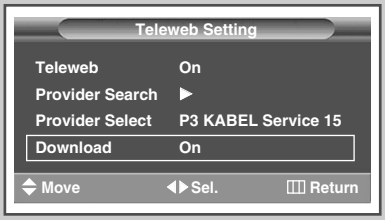



***TeleWeb is the new television broadcasting standard for Teletext services. TeleWeb is similar to Teletext, just easy to use. TeleWeb can transmit the News, TV programme information, and advertising in excellent picture quality and directly access via the remote control.***

**1** Press the **MENU** button.
Result: The main menu is displayed.

**2** Press the ▼ or ▲ button to select **Function**.
Result: The options available in the **Function** group are displayed.

**3** Press the ▶ button.

**4** Press the ▼ or ▲ button to select **Teleweb**. Press the ▶ button.
Result: The **Teleweb** menu is displayed.

**5** To activate the Teleweb feature, set the **Teleweb** to **On** by pressing the ◀ or ▶ button.
- If you set to **On**, 400 teletext pages can be stored.
- If you set to **Off**, 2100 teletext pages can be stored.

**6** Press the ▼ or ▲ button to select **Provider Search**. Start the provider search by pressing the ◀ or ▶ button.
Result: It will be search only the channels stored. If find a provider, the **Added** is displayed and continue the search.

➢ To stop the search before it has finished, press the**TV** (▭) button.

**7** When the search has been finished, press the ▼ or ▲ button to select **Provider Select**. Find the required provider by pressing the ◀ or ▶ button.

➢ Select a provider and then the teleweb downloading will start.

**8** Press the **TeleWeb** button to enter the teleweb mode.

**9** If you want to download the Teleweb information before switch the television off, select the **Download** by pressing the ▼ or ▲ button. Press the ◀ or ▶ button to set to **On**.
Result: Even though you turn off the TV on the channel no provider is selected, the channel will be automatically switched to the selected channel and TeleWeb downloading will start. During downloading, the picture will not be shown and only status bar will be displayed on the screen. (It takes 30 minutes to one hour depending on the program.)

➢
- When pressing the " **I** " button (On/Off) on the panel of the television, the existing downloaded information will disappear.
- If you enter the TeleWeb mode on the channel where no provider is selected, you can view only the information downloaded up to now.

# Using the TeleWeb Menu after Displaying the TeleWeb

ENG

### *Bookmarking the current page.*

**1** On the page you wish to add to the bookmark list press the **MENU** button.

Result: The **TeleWeb** menu is displayed.

**2** Press the ▼ or ▲ button to select **Add Bookmark**. Press the ↵ button.

Result: The current page is added to the bookmark list.

➢ You can register up to six pages. If you add another URL when six bookmarks have been listed, the first URL will be deleted and the new URL will be listed as the sixth.

### *Entering the bookmarked URL.*

**1** Press the **MENU** button.

Result: The **TeleWeb** menu is displayed with the **Bookmark List** is selected.

**2** Press the ▶ button.

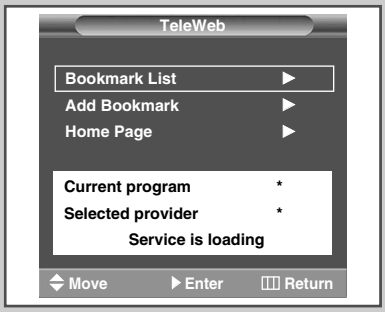
Result: The stored URLs are listed.

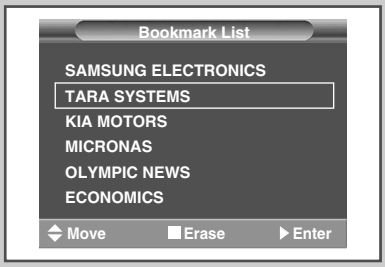
**3** To erase a URL, select a required URL and press the **TeleWeb** (red) button.

Result: The selected URL is erased and the listed URLs moves up one by one.

**4** Select the URL you wish to enter by pressing the ▼ or ▲ button and press the ↵ button

Result: The current page moves to the selected URL and the menu is disappeared.




### *Opening the Home Page*

**1** Press the **MENU** button.

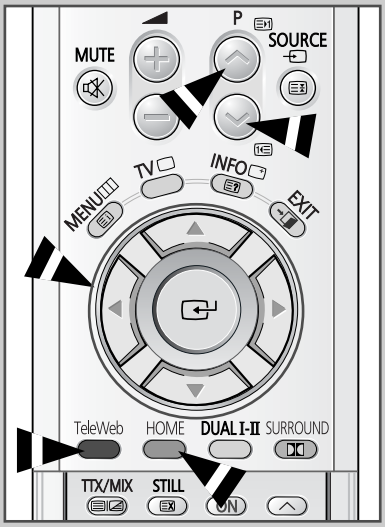
Result: The **TeleWeb** menu is displayed.

**2** Press the ▼ or ▲ button to select **Home Page**. Press the ↵ button.

Result: It moves to a home page.

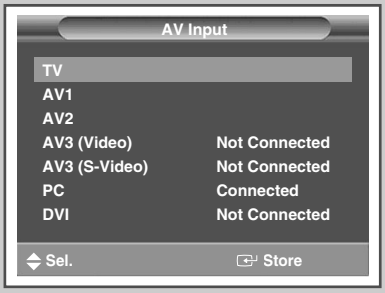
ENG

# Easy Accessing the TeleWeb Service via the Remote Control




| Button | Function |
|---|---|
| **TeleWeb** | Activate or deactivate the TeleWeb feature directly. |
| **HOME** | Move the home page of the TeleWeb. |
| | Dispaly the forward page of the TeleWeb |
| | Dispaly the backward page of the TeleWeb |
| | Select a option. |
| | Confirm your choice. |

# Viewing Pictures From External Sources




***Once you have connected up your various audio and video systems, you can view different sources by selecting the appropriate input.***

| | |
|---|---|
| **1** | Check that all the necessary connections have been made. |
| **2** | Switch your television on, then press the **SOURCE** ( ) button.<br>Result: The input sources available are displayed. |
| **3** | Press the ▼ or ▲ button to select required input source and press the button. |

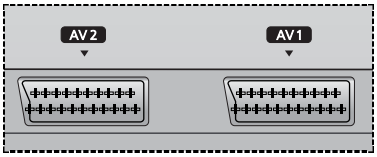
➢ If you change the external source while viewing, pictures might take a short period of time to be switched.

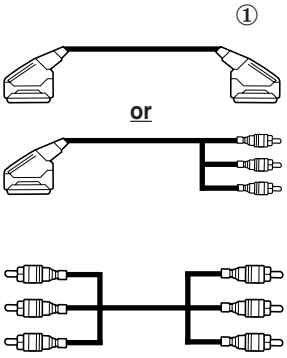
# Connecting to the External Devices

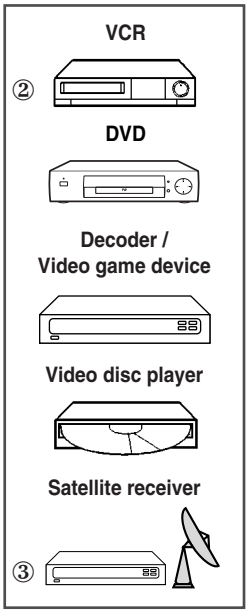
ENG

**"MONITOR OUT" are used for the equipment with an RGB output, such as video game devices or video disc players.**

***Rear of the TV***
(Input/Output)






① This end can be fitted with:
- A SCART connector
- Three RCA connectors (VIDEO + AUDIO-L/R)

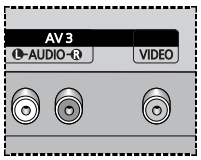
② If you have a second VCR and wish to copy cassettes tape, connect the source VCR to "**AV 1**" and the target VCR to "**AV 2**" so that you can redirect the signal from "**AV 1**" to "**AV 2**".

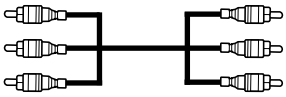
③ When you wish to record a programme, connect the receiver to "**AV 1**" and the VCR to "**AV 2**" so that you can redirect the signal from "**AV 2**" to "**AV 2**".

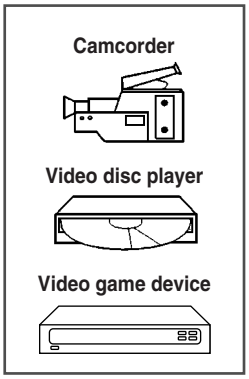
***Input/Output Specification***

| Connector | Input | | | | Output |
|---|---|---|---|---|---|
| | Video | Audio (L/R) | S-Video | RGB | Video + Audio (L/R) |
| AV1 | ✔ | ✔ | ✔ | ✔ | Only TV output is available. |
| AV2 | ✔ | ✔ | | | Output you can choose. |

***Rear of the TV***
(Input/Output)





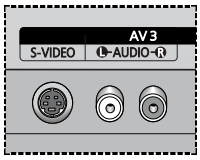

☛ Whenever you connect an audio or video system to your television, ensure that all elements are switched off. Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

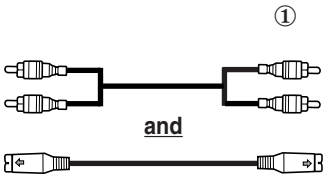
# Connecting to the S-Video Input

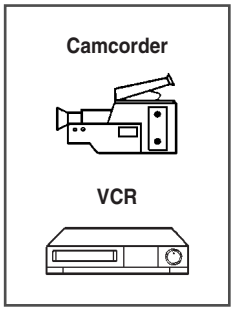
ENG

**The S-VIDEO and RCA (AUDIO-L/R) connectors are used for equipment with an S-Video output, such as a camcorder or VCR.**

***Rear of the TV***



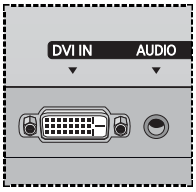

① To play picture and sound, both the S-VIDEO and RCA connectors must be used.

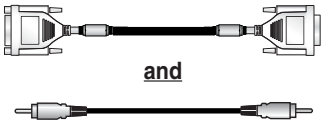
# Connecting to the DVI Input

ENG

**The "DVI IN"** (video) **and "AUDIO" connectors are used for equipment with a DVI output.**

***Rear of the TV***



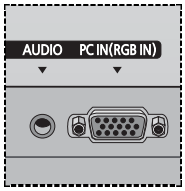
**and**

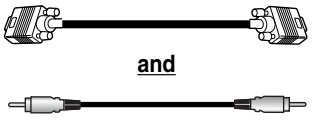
**Personal Computer**

# Connecting to the PC Input

**The "PC IN"** (video) **and "AUDIO" connectors are used for interfacing with your PC.**

***Rear of the TV***



**and**

**Personal Computer**

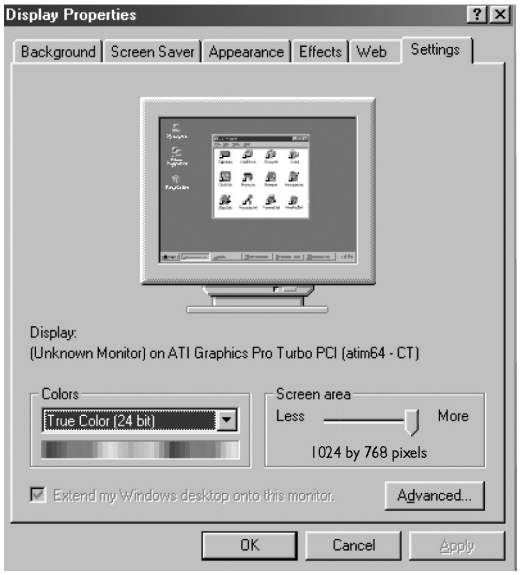
# Setting up Your PC Software (Windows only)

ENG

***The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)***

On the windows screen, select in the following sequence: **Start → Settings → Control Panel.**

When the control panel screen appears, click on **Display** and a display dialog-box will appear.




Select the **Settings** tab in the display dialog-box.

The two key variables that apply the television-PC interface are “Resolution” and “Colours”.
The correct settings for these two variables are:

- Size (sometimes called “Resolution”)
  - **640 x 480 pixels** (PS42P3S)
  - **1024 x 768 pixels** (PS50P3H/PS63P3H)
- Colour
  **24-bit** colour (might also be expressed as “16 million colours”)
  Shown at left is a typical screen for “Display” dialog box.

If a vertical-frequency option exists on your display settings dialog box, the correct value is **60 Hz**. Otherwise, just click **OK** and exit the dialog box.

# Input Mode (PC/DVI)

ENG

***Both screen position and size will vary depending on the type of PC monitor and its resolution. The table below shows all of the display modes that are supported:***

| Standard | Dot x Line | Vertical frequency (Hz) | Horizontal frequency (kHz) | Vertical polarity | Horizontal polarity |
|---|---|---|---|---|---|
| VGA | 640 x 350 | 75 | 31.5 | N | P |
| | | 85 | 37.9 | N | P |
| | 640 x 400 | 85 | 37.9 | P | N |
| | 720 x 400 | 70 | 31.5 | P | N |
| | | 85 | 37.9 | P | N |
| | 640 x 480 | 60 | 31.5 | N | N |
| | | 72 | 37.9 | N | N |
| | | 75 | 37.5 | N | N |
| | | 85 | 43.3 | N | N |
| SVGA | 800 x 600 | 56 | 35.2 | N/P | N/P |
| | | 60 | 37.9 | P | P |
| | | 72 | 48.1 | P | P |
| | | 75 | 46.9 | P | P |
| | | 85 | 53.7 | P | P |
| XGA | 1024 x 768 | 60 | 48.4 | N | N |
| | | 70 | 56.5 | N | N |
| | | 75 | 60.0 | P | P |
| WVGA | 848 x 480 | 60 | 29.8 | N | P |
| | | 72 | 35.1 | N | P |
| | | 75 | 36.0 | N | P |
| WXGA+ (PS50/63P3H) | 1366 x 768 | 60 | 48.2 | N | N |

(N: Negative / P: Positive)

- The interlace mode is not supported.
- The television might operate abnormally if a non-standard video format is selected.
- "**1366 x 768**" is not available in DVI mode.
- The **1366 x 768** mode is only supported by a particular video card (**PIXEL PERFECT** made by **IMAGINE GRAPHICS Ltd.**).

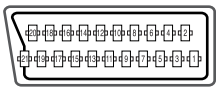
## Notes

- The PC text quality for **PS42P3S** is optimum in **VGA** mode (640 x 480). For **PS50P3H** and **PS63P3H**, use **XGA** mode (1024 x 768).
- When this television is used as a PC display, 24-bit colour is supported (over 16 million colours).
- Your PC display screen might appear different depending on the manufacturer (and your particular version of Windows). Check your PC instruction book for information about connecting your PC to a television.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5kHz (horizontal). In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the **Source** button to enter the Video mode. Also, make sure that the PC is connected.
- When connecting a notebook PC to the television, make sure that the PC screen is displayed through only the television (Otherwise, random signals might appear).
- When horizontal synchronous signals seem irregular in PC mode, check PC power saving mode or cable connections.

# Pin Configurations

ENG

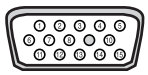
*SCART Connector (AV1/AV2)*



➢ Pins 5, 7, 9, 11, 13, 15 and 16 are used for RGB processing and are only wired on the **AV1** or **AV2** connector.

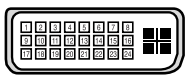
| Pin | Signal | Pin | Signal |
|---|---|---|---|
| 1 | Audio output R | 12 | - |
| 2 | Audio input R | 13 | Video chassis return (RGB red) |
| 3 | Audio output L | 14 | - |
| 4 | Audio chassis return | 15 | RGB red input |
| 5 | Video chassis return (RGB blue) | 16 | Blanking signal (RGB switching) |
| 6 | Audio input L | 17 | Video chassis return |
| 7 | RGB blue input | 18 | Blanking signal ground |
| 8 | Switching voltage | 19 | Video output |
| 9 | Video chassis return (RGB green) | 20 | Video input |
| 10 | AV-Link (Ext 1) | 21 | Screening/chassis return |
| 11 | RGB green input | | |

*PC Input Connector (15Pin)*



| Pin | PC IN |
|---|---|
| 1 | Red (R) |
| 2 | Green (G) |
| 3 | Blue (B) |
| 4 | Grounding |
| 5 | Grounding (DDC) |
| 6 | Red (R) Grounding |
| 7 | Green (G) Grounding |
| 8 | Blue (B) Grounding |
| 9 | Reserved |
| 10 | Sync Grounding |
| 11 | Grounding |
| 12 | Data (DDC) |
| 13 | Horizontal sync. |
| 14 | Vertical sync. |
| 15 | Clock (DDC) |

*DVI Input Connector (24Pin)*



| Pin | Signal |
|---|---|
| 1 | T.M.D.S. Data2- |
| 2 | T.M.D.S. Data2+ |
| 3 | T.M.D.S. Data2/4 Shield |
| 4 | T.M.D.S. Data4- |
| 5 | T.M.D.S. Data4+ |
| 6 | Clock (DDC) |
| 7 | Data (DDC) |
| 8 | Not Connected |
| 9 | T.M.D.S. Data1- |
| 10 | T.M.D.S. Data1+ |
| 11 | T.M.D.S. Data1/3 Shield |
| 12 | T.M.D.S. Data3- |
| 13 | T.M.D.S. Data3+ |
| 14 | +5V Power |
| 15 | 5V Grounding |
| 16 | Hot Plug Detect |
| 17 | T.M.D.S. Data0- |
| 18 | T.M.D.S. Data0+ |
| 19 | T.M.D.S. Data0/5 Shield |
| 20 | T.M.D.S. Data5- |
| 21 | T.M.D.S. Data5+ |
| 22 | T.M.D.S. Clock Shield |
| 23 | T.M.D.S. Clock+ |
| 24 | T.M.D.S. Clock- |

# **Troubleshooting:** Before Contacting Service Personnel

ENG

***Before contacting Samsung after-sales service, perform the following simple checks.***

***If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.***

| | |
|---|---|
| No sound or picture | ◆ Check that the mains lead has been connected to a wall socket.<br>◆ Check that you have pressed the " **I** " button (On/Off) and the **POWER** ( ) button.<br>◆ Check the picture contrast and brightness settings.<br>◆ Check the volume. |
| Normal picture but no sound | ◆ Check the volume.<br>◆ Check whether the volume **MUTE** button on the remote control has been pressed. |
| No picture or black and white picture | ◆ Adjust the colour settings.<br>◆ Check that the broadcast system selected is correct. |
| Sound and picture interference | ◆ Try to identify the electrical appliance that is affecting the television, then move it further away.<br>◆ Plug your television into a different mains socket. |
| Blurred or snowy picture, distorted sound | ◆ Check the direction, location and connections of your aerial. This interference often occurs due to the use of an indoor aerial. |
| Remote control malfunctions | ◆ Replace the remote control batteries.<br>◆ Clean the upper edge of the remote control (transmission window).<br>◆ Check the battery terminals. |

# Wiring the Mains Power Supply Plug (UK Only)

**IMPORTANT NOTICE**

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BSI1362 of the same rating must be used. Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cut off the plug, remove the fuse and then safely dispose of the plug. Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

**IMPORTANT**

The wires in the mains lead are coloured in accordance with the following code:

**BLUE - NEUTRAL** **BROWN - LIVE**

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.
The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

**WARNING:** **DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL, WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚, OR COLOURED GREEN OR GREEN AND YELLOW.**

## – AFTER SALES SERVICE

– Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

SAMSUNG ELECTRONICS

***EUROPEAN NOTICE***

Products with the CE marking comply with the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- **EN55022:1998+A1:2000**
  Radio Frequency Interference
- **EN55024:1998**
  Electromagnetic Immunity
- **EN55013:1990+A12:1994+A13:1996+A14:1999**
  Radio Frequency Interference
- **EN55020:1994+A11:1996+A12/A13/A14:1999**
  Electromagnetic Immunity
- **EN61000-3-2:1995+A1/A2:1998**
  Power Line Harmonics
- **EN61000-3-3:1995**
  Voltage Fluctuations
- **EN60065:1997** or **EN60095:1998**
  Product Safety